ELSEVIER

Fire Safety Journal **27** (1996) 345–346
Copyright © 1997 Published by Elsevier Science Limited
Printed in Northern Ireland. All rights reserved
0379–7112/96/$15·00

PII:S0379-7112(97)00010-6

CONTENTS OF VOLUME 27

Volume 27 Number 1

1 Furnace Heat Transfer Processes Applied to a Strategy for the Fire Testing of Reduced Scale Structural Models
D. J. O'CONNOR, G. W. H. SILCOCK & B. MORRIS (UK)

23 Calculating Combined Buoyancy- and Pressure-driven Flow Through a Shallow, Horizontal, Circular Vent: Application to a Problem of Steady Burning in a Ceiling-vented Enclosure
L. Y. COOPER (USA)

37 Burning Rate of a Pool Fire with Downward-directed Sprays
M. B. KIM, Y. J. JANG & J. K. KIM (South Korea)

49 Flammability Limits of Combustible Gases and Vapors Measured by a Tubular Flame Method
C. LIAO, N. SAITO, Y. SASO & Y. OGAWA (Japan)

69 Computational Fluid Dynamics Modelling of Wood Combustion
V. NOVOZHILOV, B. MOGHTADERI, D. F. FLETCHER & J. H. KENT (Australia)

85 Calendar

87 Contents of Related Journals

Volume 27 Number 2

91 Towards Harmonized Standard Fire Resistance Testing
G. THOMSON & R. R. PRESTON (UK)

113 Unit Load Factor Method for Limiting Temperature Analysis of Steel Frames with Elastic Buckling Failure Mode
M. B. WONG & N. PATTERSON (Australia)

123 An Experimental Study of Some Line Fires
L.-M. YUAN (People's Republic of China) & G. COX (UK)

141 Effect of Liquid–Solid Contact Angle on Droplet Evaporation
S. CHANDRA (Canada), M. DI MARZO (USA), Y. M. QIAO (Canada) & P. TARTARINI (Italy)

159 On Power Laws for Describing the Mass Flux in the Near Field of Fires
M. POREH (Israel) & H. P. MORGAN (UK)

179 Calendar

181 Contents of Related Journals

Volume 27 Number 3

185 Flame-extinguishing Concentrations and Peak Concentrations of N_2, Ar, CO_2 and their Mixtures for Hydrocarbon Fuels
N. SAITO, Y. OGAWA, Y. SASO, C. LIAO & R. SAKEI (Japan)

201 CFD and Experimental Studies of Room Fire Growth on Wall Lining Materials
Z. YAN & G. HOLMSTEDT (Sweden)

239 A Trend-duration and Gradient Detector for Automatic Fire Detection
S. WANG (People's Republic of China)

249 Surface Temperature at Ignition of Wooden Based Slabs
J. FANGRAT (Poland), Y. HASEMI, M. YOSHIDA & T. HIRATA (Japan)

Book Review

261 *Flame Retardants '96.* Inter Science Communications Ltd, London, UK, 1996
(Reviewed by E. METCALFE)

263 Calendar

Volume 27 Number 4

265 Prediction of Fire Hazards Associated with Chemical Warehouses
S. D. MILES & G. COX (UK)

289 Evaporative Cooling Due to a Sparse Spray
M. DI MARZO & S. TINKER (USA)

305 Fire Safety Design Based on Calculations: Uncertainty Analysis and Safety Verification
S. E. MAGNUSSON, H. FRANTZICH (Sweden) & K. HARADA (Japan)

Short Communication

335 Smoke Control in Sloping Tunnels
G. T. ATKINSON & Y. WU (UK)

343 Calendar

345 Contents of Volume 27